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Message Text

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21
ACTION OES-05

INFO OCT-01 EA-10 ISO-00 FEA-01 ACDA-10 CIAE-00 INR-07

IO-10 L-03 NSAE-00 NSC-05 EB-07 NRC-07 /066 W
---------- 108026
R 200302Z JUN 75
FM AMEMBASSY TOKYO
TO USERDA GERMANTOWN
INFO SECSTATE WASHDC 1024

UNCLAS TOKYO 8224

FOR DR. A. S. FRIEDMAN, DIP

E.O. 11652: N/A
TAGS: TECH, JA
SUBJECT: SHIKOKU EPCO TOLL ENRICHING CONTRACT UES/JA/101

REF: ERDA 0573 21 MAR 75

1. SHIKOKU EPCO IS PLANNING TO REQUEST THAT APPENDICES A AND B OF TOLL ENRICHING CONTRACT UES/JA/101 BE AMENDED AS FOLLOWS:
APPENDIX A. 69,000 KG SWU FOR DELIVERY FY 1977 BE AMENDED TO 86,100 KG SWU.
APPENDIX B. 14,001 KG TOTAL ENRICHED URANIUM PRODUCT FY 1977 TO BE AMENDED TO 17,484 KG. 69,000 KG SWU FY 1977 BE AMENDED TO 86,100 KG SWU.

2. THE EXTRA SERVICES ARE NEEDED TO FABRICATE EIGHT ADDITIONAL SPARE ASSEMBLIES. THE CALCULATIONAL BASES ARE AS FOLLOWS:
A. ADDITIONAL SPARE FUEL ASSEMBLIES: 8
B. QUANTITY OF ENRICHED URANIUM ADDITIONALLY REQUIRED: 3,483 KG-U (401.25 KG U X 8 ASSEMBLIES X 1.085. FABRICATION LOSS/SCRAP: 8.5 PERCENT).
C. KG UNITS OF SEPARATIVE WORK ADDITIONALLY REQUIRED: 17,150.29 KG SWU (3,483 KG-U X 4.924. SWU COMPONENT FOR 3.28 PERCENT ENRICHED UF6).
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D. QUANTITY OF ENRICHED URANIUM IN TOTAL: 17,484 KG-U

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(14,001 KG-U PLUS 3,483 KG-U).
E. KG UNITS OF SEPARATIVE WORK INTOTAL: 86,100 KG SWU
(68,941 KG SWU PLUS 17,150.29 KG SWU. 68.941 KG SWU TO BE
ACTUALLY REQUIRED FOR THE FIRST RELOAD FUEL ASSEMBLIES
WERE ROUNDED UP TO 69,000 KG SWU UNDER CONTRACT AS SPECIFIED
IN APPENDIX A/B).

3. SHIKOKU IS REQUESTING THE ADDITIONAL SERVICES IN CASE OF
FUEL FAILURES FROM PIN BOWING OR CLAD LEAKAGE. IN RECENT
EXPERIENCE IN MIHAMA II (826 MW PWR) KEPCO HAD TO REPLACE
SIX ASSYS BECAUSE OF LEAKAGE AND 16 MORE ASSYS BECAUSE OF ROD
BOWING. IN SUBSEQUENT INSPECTION KEPCO WAS REQUIRED TO REPLACE
EIGHT MORE ASSYS BECAUSE OF ROD BOWING.

4. AS SUGGESTED IN REF ITEM 2 OF REFTEL MIKIO MORI, SHIKOKU
EPCO AND T. MIYAZAKI, MITSUBISHI CORP. WHICH REPREENTS
SHIKOKU IN THESE MATTERS, SAID THAT THEY READY TO PREPARE
WRITTEN REQUEST TO OBTAIN DURING FY-77 ENRICHED URANIUM IN
QUANTITIES THAT WOULD EXCEED, TO THE EXTENT SPECIFIED IN
PARA. 1, THIS TT, THAT OBTAINABLE FROM ENRICHING SERVICES AS
NOW SPECIFIED IN APPENDIX A OF UES/JA/101. BEFORE DOING THIS
THEY HAVE ASKED FOR SOME ASSURANCE THAT ERDA WILL AGREE TO
FURNISH THE ADDITIONAL SERVICES.
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